

Coll
72(QD)
III - 4
1942

Roberts field notes

65

H R Robert
Academy of Natural Sciences
19th & Parkway
Philadelphia

Oothoptera notebook
to southwest
spring 1942
for Tamara Cross

(4500 ft)

(1) 85

Jay Six Ranch Benson, Ariz
March 26-28

nearly freezing at night
up to 70 or 80° at midday
very dry, grass just
beginning to show, few
flowers, occasional yellow
poppies in bloom, they say
the spring is a little late
this year.

Beetles about 20

(20)

Hemiptera 1 large

(4)

wasps

(3)

high crested Oed. 8 juv

8

low " " 3 "

3

Xanthippus? 3 juv

3

Radiolatum? 2 juv

2

Eutellus 1 juv

1

Psoloceroid 5 juv

5

(27) 22

①

| | |
|---------------------------|----|
| Coryllus? 4 juv | 4 |
| Tetrigid (short pronotum) | 17 |
| " long " | 9 |
| Phasmids? short antennae? | 2 |

| | |
|------|----|
| | 32 |
| (22) | 22 |
| | 54 |

grouse locusts were all
found along wet gravel
stream beds

cutters seen occasionally
but hard to catch

Other than "high" & "low"
erected ocell. and Polioptila
others very scarce & local

Earp, Cal. March 31
dry wash just west of town
grease wood in bloom
and bushes with yellow
daisy like flowers

T. pallidipennis all adult
though some teneral
Helcastus (blue legs)? common
though hardly any females
adult

Perixerus mostly very
immature - on grease
wood and other bushes
Hazel found Pediocetes on
grease wood about to
attack Perixerus

Shistocerca gregaria (only 1 seen) 10♂
T. pallidipennis (common) 1♀ 1♂ 3

(2) cont.

| | | |
|----------------------|--------------|----------|
| Helcastrus? | 9♂ 2♀ 4 juv. | 15 |
| small blackish juv.? | | 1 |
| Pericnemus | 2 juv | 2 |
| Pachydictya | 1 juv | 1 |
| | | <hr/> 23 |

beetle 1

hemipt 1

(2)

Wild Rose Canyon, Tierrasanta Mts.
April 2 4500 ft
= (in envelope)

| | | | |
|---------------------|-------|-------|----|
| <i>Dacotellus</i> | 10 ♀ | 3 ♂ | 12 |
| <i>Psolocassa</i> ? | 4 ♂ | 3 juv | 7 |
| <i>Oed</i> ? | 3 juv | | 3 |
| <i>Tamnocerus</i> | 5 ♀ | 1 ♂ | 6 |
| <i>Cryllus</i> | 1 juv | | 1 |

large series of *Tamnocerus* in alc.

2 *Myrmecophila* under
boulder with ants

Dacotellus found much the
same areas as *Tamnocerus* -
very adept at getting into crevices
of barks.

4 mi. N. Wild Rose, Pecos mts
April 3 4900 ft

Tamiascus 25 ♀ 1 juv ♀ '90 } 40
6 ♀ not stuffed }

smooth shaly gravel on
gentle ^{slope} between bushes

Dracotettix 2 ♀ 2

Notes on *Tamiascerus* from
Panama

Taken between 4000 & 5500 ft.
extension of range in elevation
probably much greater.

Bush on which it apparently
feeds pretty much everywhere.
However, only saw 1 ♂ actually
on a bush before disturbed,
and never beat a specimen
out of a bush at random
nor kicked one out.

Also when disturbed they
will try and hide among
the stones without trying
to reach a bush, as *Chrysocolaptes*.

The ground on which they
were found was quite smooth
and small, stony pebbles
on gentle slopes, ~~never~~ usually
not found in the washes.

notes on *Tanaosemis*
(cont.)

In a cage (10¹ 3♀) some grass and a piece of the common bush (little tear shaped leaves) was placed. They began to eat the bush leaves of the bush at once.

The long slender antennae are used a great deal and it would appear as though their eyesight was poor.

The specimens appear to have just become adults and a few juv. ♀ were taken. Many of the females were very teneral and no evidence of copulation was seen.

(5)

April 4th

Amargosa River 10-20 mi S.
of Death Valley Junction 1500ft +

Anconia 5 ♀ 1 ♂ (2 ♂ young) 6

very windy and hard
to locate or catch

April 4th

(6)

Subsury Pass 3500 ft?
(camp)

2 jar blue laced

2

cold and windy

(7)

Daylight Pass Cal., Blue
Beatty & Death Valley
4500 ft April 8th

Tamiasciurus 62

6

Same general environment
as in Owensints
except greasewood present
more grass and fewer
bushes

25 mi. S. of Beatty, Amargosa
Desert Nevada
2500+ ft April 5

Tamiasciurus 3925 5
compared to previous localities
very surprisingly different
country. ~~same~~ light
sandy (dusty) with few
scattered pebbles
tufts of grass and a different
species of low brush
a few scattered greasewood
large beetle (1)

April 6

(9)

8 mi. N. Death Valley Junction
2200 ft Saline Desert

Arconia? 10 juvs
in envelopes

2

April 6

(11)

5 mi E Roswell, Nevada
3000 ft.

blue leg Oed 2 juv
in envelopes

2

localities though in
one general spot collected

72.

Isolated only found
at local half way up. - just
becoming adult.
juv. found at highest
local.

Hyph. snow at Charles
Park.



April 6th

(10)

Rd to Charleston Park, Charles, Mts.
Nevada 2-5000ft ?

| | | | |
|-----------------|-------|----------|-----|
| Tanaocenus | 15♀ | 1♂ 1 juv | 17 |
| Psobocnoid | 5♀ | 6♂ 4 juv | 15 |
| crested bl. fly | 0 ad. | 1 juv | 1 |
| 2 Black Beetles | | | (2) |

locality rich arid vegetation
some grass

Joshua's trees and most
types of bushes though
some wood poorly represented
collected from near beginning
of road to beginning of
sagebrush and pinon pine
highest locality got only
juv ♂ & 1 ♂ saw 2 others.
Could not see a ♂ at lower

Mountain Pass (N. of Baker) Cal
4500 ft April 7th
foot of slope, a few cedars
and much Joshua trees
grass sparse or absent
between bushes

Xanthippus corall. ? 80 to 100 ft 15
T. pallidipennis 10 ft
Pachyura ? 20 ft 3

(13)

8

^{E.}
20 mi W Baker Cal
2000 ft? April 7

T. pallidipennis 201

2

(14)

^E
4 mi W Baker Cal
1500 ft
dry wash

Helicostes? 1 ♀ (Tunnel)

1

(out. after?)

(15)

Blw. Bulwer & Borstow

200ft - April

whitish sand dunes with
many bushes

Buconia? 19

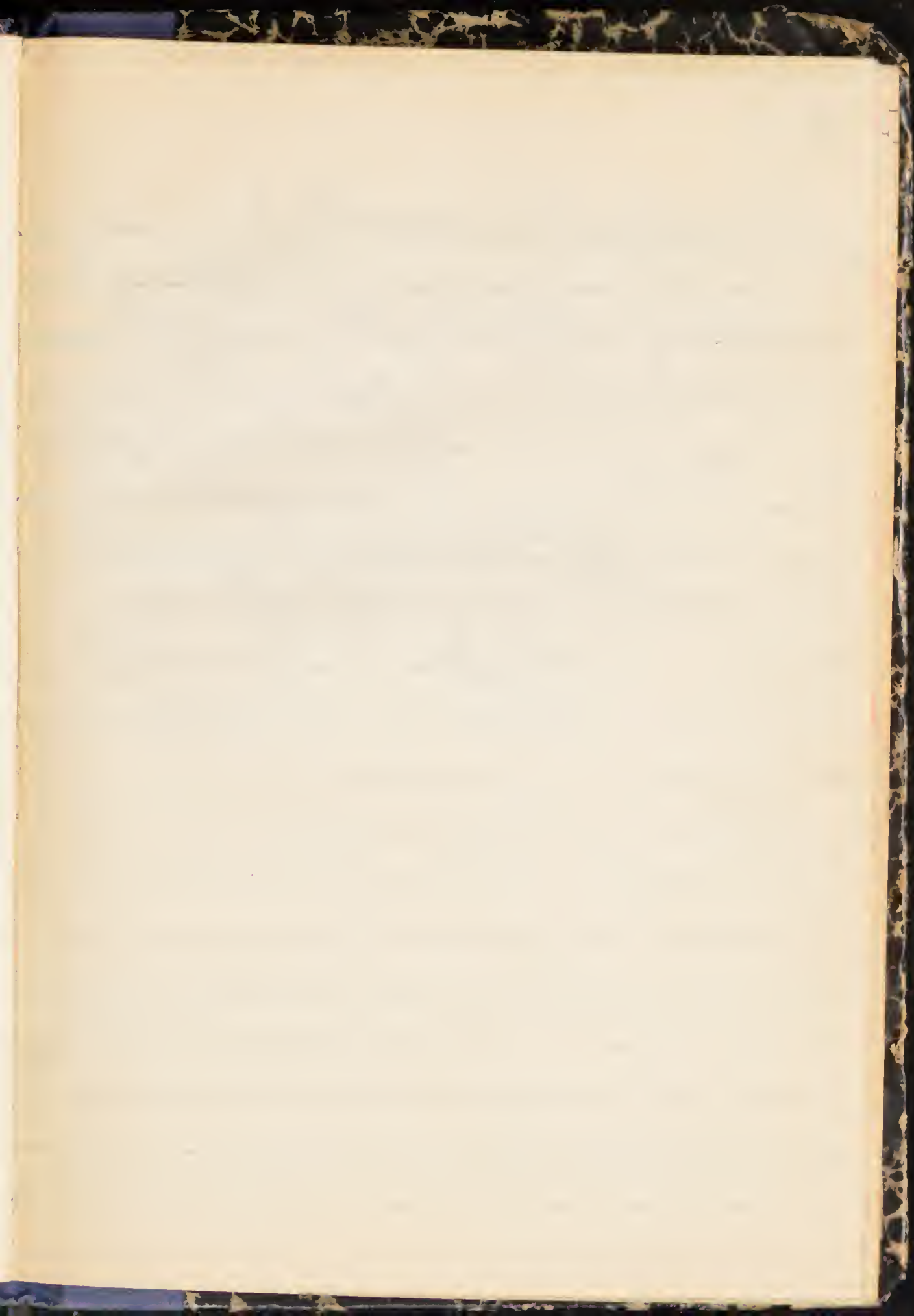
Borstow 2100ft C.L.

(16)

(3 mi W.) April

Buconia 2910ft

2



2 mi E. Llano, Cal. April 9
2500 ft +

Recent with scattered Joshua
and "hardy" bush & green man
and, cloudy

| | | |
|-----------------------------------|-------|---|
| <i>Stethippus</i> ? | 4-5 | 4 |
| <i>Tamias</i> (12+20) | | 3 |
| <i>T. pallidipennis</i> 2 ♂ 2 juv | | 4 |
| <i>H. castus</i> ? | 2 juv | 2 |
| <i>Urosalix</i> | 1 juv | 1 |

4 mi W. Beaumont April 9
slender? scrub hills with wheat
between (not desert)

| | | | |
|-----------------------|-------|-----|---|
| <i>Onychomys</i> | | | |
| (<i>onychomys</i>)? | 4 ♀ | 2 ♂ | 6 |
| <i>Heleostus</i> ? | 2 ♀ | 3 ♂ | 5 |
| <i>Treva</i> | 2 juv | | 2 |
| <i>Neotoma</i> | 1 juv | | 1 |

April 11th

1-3 mi S. Oatis near border
of Riverside & Imperial Co line
-100 ft elevation Cal.

| | | |
|--------------------------|---------|----|
| Anacardium | 7 ♀ 7 ♂ | 14 |
| Schistocerca gregaria | 2 ♂ | 2 |
| T. pallidipennis | 1 ♂ | 1 |
| yellow wing small Arphia | 1 ♂ | 1 |
| phasmid grey | 1 ♀ | 1 |
| (magnolia ?) | 1 | 1 |

3 from low bush (to western north)

2 beetles

very dry and burnt out
low whitish bushes
spiral rows - most of
flyers were found on
bush

April 11th

Lower part of "Canyon" lotus,
Indio & Palm Springs
+ 500 ft

| | | |
|-------------------------|--------------|---|
| <i>Asconia?</i> | 1 ♀ | 1 |
| <i>T. pallidipennis</i> | 1 ♂, 1 juv ♀ | 2 |
| <i>Helicostepus?</i> | 1 ♂, 1 juv ♀ | 2 |

in Mt. to west of Radio
3500 ft Sunday April 12

Tamiasciurus 90 10

Spent 2 nights here arrived about
4:30 - showers in vicinity
most of that day signs of
clearing weather - got a
Q of 2 was digging hole for
fire - could 2 more a before
supper. Night quite chilly
Next morning fine and
clear - could find none
before about 10 AM
Collected all day with but
1 Q and very very few
They were found at widely
scattered places, always

on the ground though they
often clapped to edge of bushes.
They were large and full
of eggs and easy to catch
in hand when located.

Watched 10 for about
20 minutes. It just sat
on the fine gravel or sand
coarse sand and turned
about two times. When I
moved the net over it
naturally lightly brushing
it, it did not jump.

Happens in large sandy
mound sluggish during the
day in the sun. When it
got cooler around sunset
they were much more
active (cold enough to wear
a heavy sweater)

Description of locality:
granitic boulders about
but were crumbling forming
large areas of coarse gravelly
sand vegetation rich
and varied - juniper,
sage rich bayonet, a few
rich grasses, some
species of low
scattered bushes, small
grass under most of bushes

Most likely location for
upper way on south
bare spots of moderate
size with grass mostly
adjacent bushes

Male shows no attempt
to copulate.

Timon Park, San Jacinto?
 San Bernardino Nat Park
 4000 ft. April 14

| | | | |
|-------------|------------------------------------|--------------------|----|
| Tamias | 40 [♂] 50 [♀] | 3 juv [♀] | 22 |
| Microtus | 50 [♂] | | 3 |
| Arctomys | 10 [♂] 3 juv | | 4 |
| Thomomys | 30 [♂] 2 juv | | 5 |
| T. pallidus | 10 [♂] | | 1 |
| Peromyscus | 10 [♀] 1 juv [♀] | | 2 |
| Onychomys | 10 [♀] | | 1 |

This specimen was
 left in my bag mistake
 one night. It was a
 light gray brown

val. desert & semi-desert

5-10 mi E. of Julian 2-3000 ft.

April 15th Cal

- *Neocoryph. truncps* 1♂ 1♀ 2
found together, male singing 11:30 AM
in low reedy bog
- *T. pallidipennis* 7♂ 1♀ 2
- little blue l. yellow warbler 7♂ 4♀ 11
most common along creek bank
of road.
- 2 sp. tetrigid 2♀ 2 juv. 4
along stream bank
(*Helinthus*? juv not coll)

beetles

(6)

1 mi S. Julian 4500 ft
Col April 15th

Chortophaga? 40769

10

(4 mi W. Jacumba)

blw Jacumba & Bonita road 3000 ft.

April 15-16 Cal

| | | | |
|------------------|-----------------------|------------------|----|
| Haleaster? | 5 ♀ | 3 ♂ (juv. im.) | 8 |
| Arphia, large C. | red w. ^{4 ♀} | 5 ♂, 1 juv. ♀ | 10 |
| Chortophaga? | 6 ♂ | 1 ♀ | 12 |
| Oeduleornithes! | 1 ♀ | 5 juv. | 8 |
| | 2 10 ♂ | 1 ♀ in envelopes | |

montespid?

(1)

desert scrub & some grass
not arid enough for Tamarix?

April 16th

14 mi W. of Yuma just E of

Dunes. coarse grass tufts

Achumen ? 2 juv in envelopes
Phasmod 1 juv

Im-Ko-Pah Gorge E. Sacumba
2000ft. April 15

And but little grass ~~loc. #21~~
suggestive of loc. #21

Blattids large winged
came to light

3

broad washes - Rainwater camp 128
hard ground - dry washes

Ogilby, W of Yuma Cal
April 17th

| | | |
|-------------------------|--------------|---|
| <i>T. pallidipennis</i> | 1 ♀ | 1 |
| <i>Helicatus?</i> | 1 ♀ (tenant) | 1 |
| <i>Tytlthotyle</i> | 1 juv ♂ | 1 |
| <i>Dacticed</i> | 1 juv | 1 |
| <i>Arcturea</i> | 2 juv | 2 |

1 "Archie" beetle (1)

3 on open, hard packed stones

3-4 mi. W. Yuma, Cal April 17th
 overgrown irrigated area
 short curly grass & bare
 ground

| | | |
|---------------------|---------------|----|
| Large Eutettix like | 4 ♀ 2 ♂ 4 juv | 10 |
| Chortophaga? | 1 ♂ | 1 |
| Melanoplus f. m. | 1 ♀ | 1 |

4-8 mi

4 mi E. Mowhauk, Oregon

Apr. 17th & 18th

along dry wash (camp)

"Little Thumb"

| | | |
|-------------------|----------------------------|---|
| green leucocoria? | 4 ♀ 1 juv ♀ | 4 |
| Shisto. voga | 3 ♂ 1 ♀ | 4 |
| T. pallidipennis | 1 ♂ | 1 |
| Cibolacris | 1 ♀ (4 th inst) | 1 |
| Diapheromera | 1 juv ♂ 1 juv ♀ | 2 |
| Acharum? | 3 juv | 3 |
| Trux? | 2 " | 2 |
| Helanoptiligran | 3 juv | 3 |
| Cyrtus arvensis | ringing | |
| 1 Little Thumb | (1) | |

typical & plasmi. from grass
testacles along wash

Anconia & Helanoptiligran
bush (specimen taken)

4-8 mi E. Mesquite
8 mi

cont 130

Ariz.

Arremonia? 4 ♀ 4 ♂ (4 or 5 or 6 mi) 8
Cibolacris 1 ♀ 1

This second wash much
more of the "bush" was
present and it could be
easily gotten by lightly
beating these bushes and
the ♂ would fly out and
usually alight on the mud
also ♀. Some of the
specimens could also
be flushed from the
flats.

At the 1st location no
♂ were found & ♀ just
becoming adult. Do they turn
brown when they become fully
adult?

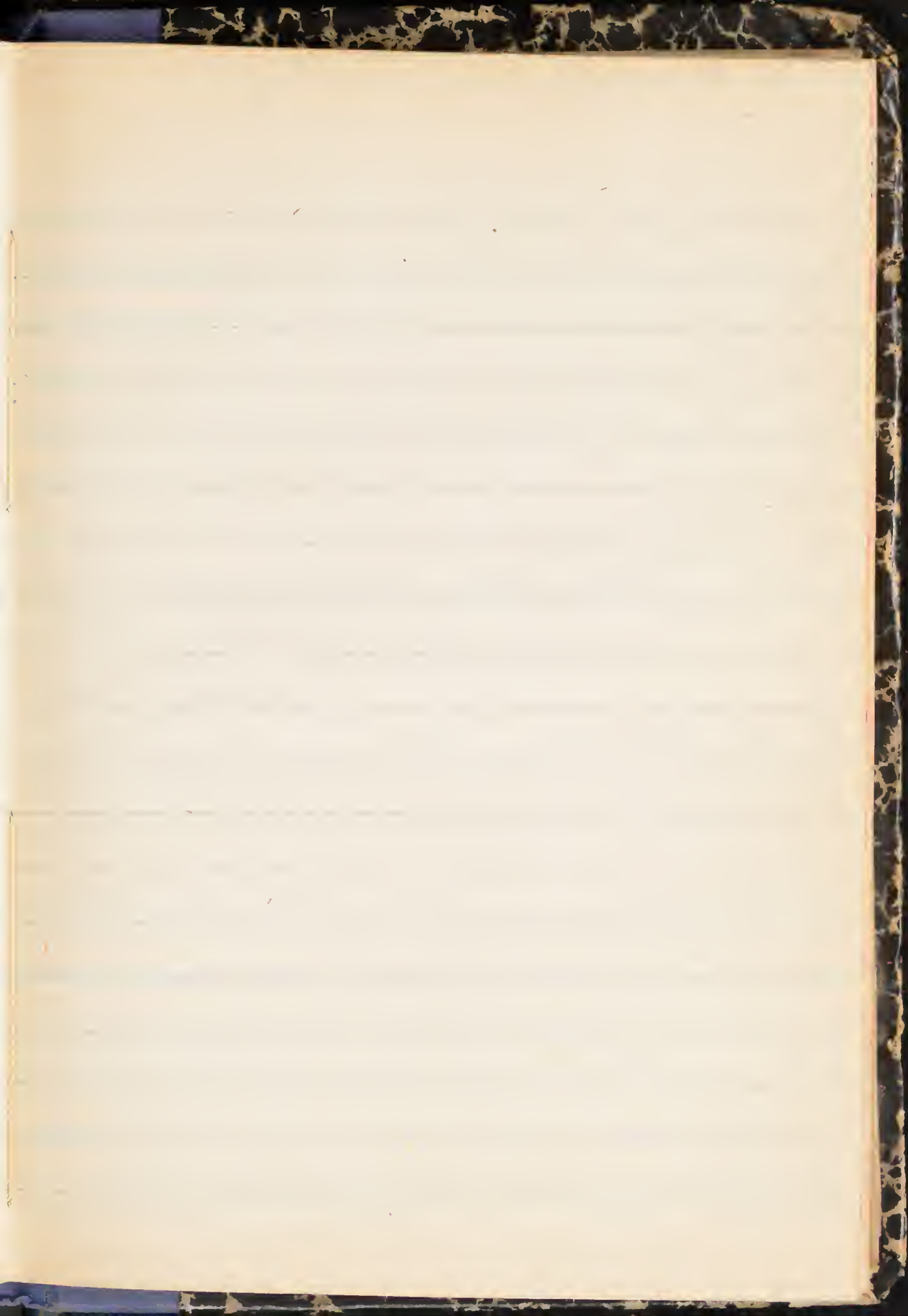
Ariz.

22 mi. W. Gila Bend Apr 18th
slight mud wash with
much grass - two kinds,
the large tussocks of coarse
grass, and a much smaller
species. Most of the grass
was dried up.

| | | |
|---------------------|-------------|----|
| gray Entellix like? | 2♀ 7♂ 1 juv | 10 |
| T. pallidipennis | 1♂ | 1 |
| Psolocera | 1♀ | 1 |
| Achumen? | 1 juv | 1 |

JB Ranch, Benson Ariz April

| | | |
|-------------------------------|-----------|---|
| <i>Xanthippus corallipes</i> | 2 ♀ 3 juv | 5 |
| <i>T. pallidipennis</i> | 1 ♀ | 1 |
| <i>Sphargnum</i> ? yellow leg | 1 ♀ 3 ♂ | 4 |
| <i>Lactista</i> | 1 ♂ 1 ♀ | 2 |
| <i>Cibolacris</i> | 1 juv | 1 |
| <i>Psococessa</i> | 2 ♀ | 2 |
| <i>Erethetix</i> | 1 ♂ 3 juv | 4 |



April 2.
Wild Rose Canyon, Panamint

No.

1 *Tamnocerus*!

2 " gonad?

3 *Dracotettix*

4 "

5 accessory? 5A gonad *Tamnocerus*

6 *Dracotettix*

10-20 miles S. Death Valley Junction

7 *Anconia*?

8 "

9 " juv.

Pinn Park, San Jacinto, Loc #22

10 *Dracotettix* (some immature)

11 "

12 "

13 "

14 " ? juv.

15 *Tanaocerus*

16 "

17 "

18 "

— 14 mi. W. Yuma Loc # 28

19 *T. cristata*

— 4 mi. W. Jacumba Loc # 25-

20 *Calceonotus*

4 mi. E. Mohawk

21 *Calceonotus*

22 "

23 "

24 "

— 5 mi. E. Mohawk

25 *Ancevia*?

26 "

27 "

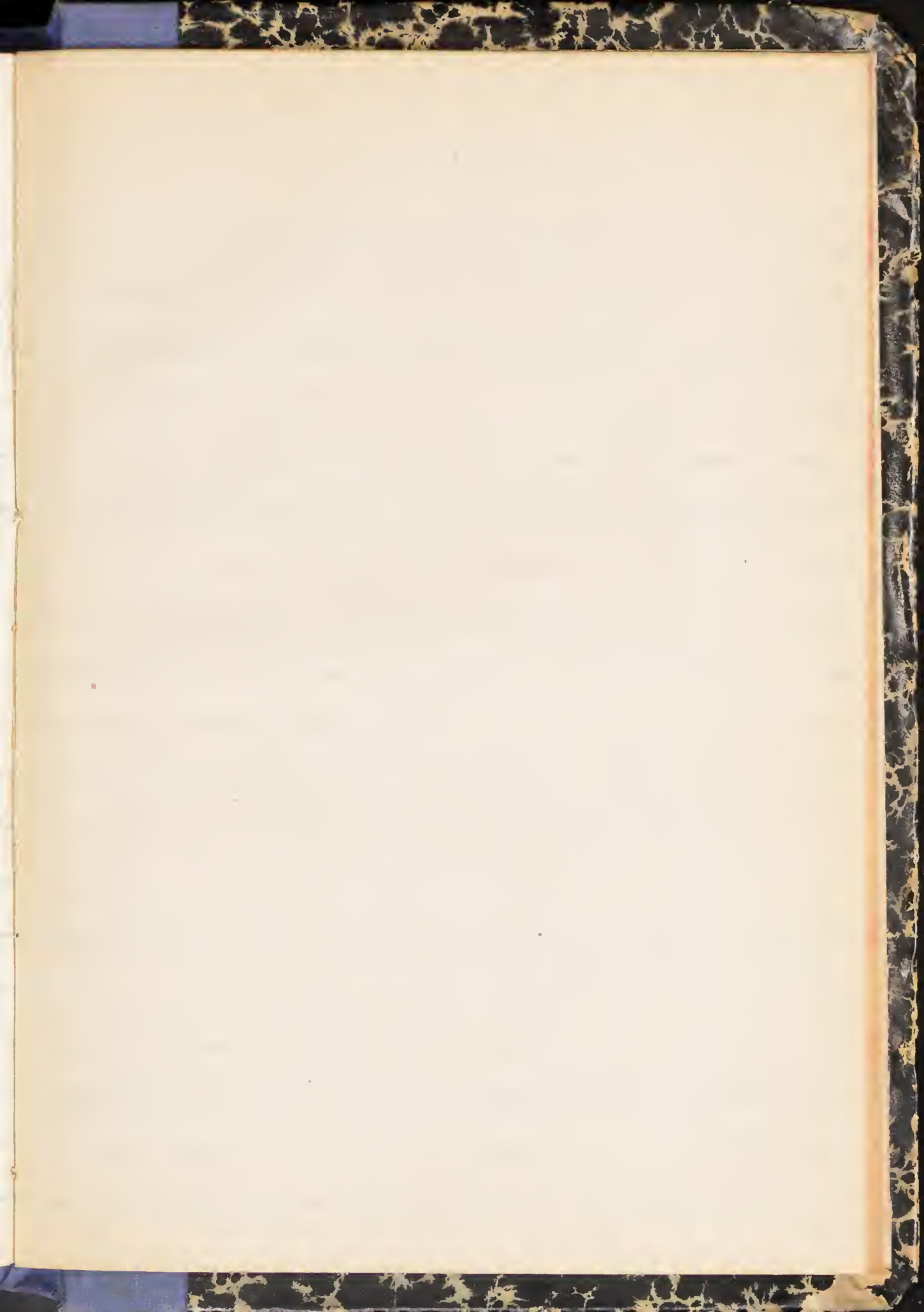
28 "

J. Six Ranch. ^{loc #32} Benson April 19th

28 *Epleuragmus* yellow legs, small

29 "

30 "



31
32

